



Faculty of Engineering

Engineering **L**eadership, **I**nnovation, **T**echnology and **E**ntrepreneurship (**ELITE**) Stream

Prof. Anthony So
Director of ELITE Stream

11 August 2017



Aims of ELITE Stream

- To nurture outstanding engineering students
- To develop their potentials through
 - additional challenging coursework and
 - invaluable extra curricular activities



Entrance Requirements – Freshmen

- To join the Stream in the first term of study:
 - HKDSE entrants who have achieved in HKDSE Level
 - 5* or above in Mathematics AND another one Science subject (Mathematics Extended Module I/II could be counted as one subject) AND one elective subject
 - PLUS Level 4 or above in any two of the remaining core subjects; OR
 - Any entrants admitted with renewable tuition scholarship
- Those with extraordinary performance other than the above admission results may be considered on individual merit



Entrance Requirements – Continuing Students*

- Full-time students who attained a **cumulative GPA of 3.50 or above**; AND
- At least **2 terms from the expected graduation term**
- Those with extraordinary performance or contributions to the Faculty of Engineering or their Major Department may be considered on individual merit

* Those who have completed at least one term of study at CUHK



Stream Requirements

To be eligible for the ELITE Stream qualification, students should fulfill all of the following:

- a) **Complete** the required courses **ESTR 4998 and 4999**
- b) **Complete** at least **15 units of elective courses**
- c) Up to **9 units** of courses taken to fulfill the elective requirements of the ELITE Stream can be used to fulfill your major programme requirements (i.e. double counting)
- d) Both **cumulative major GPA and overall GPA of 3.3** or above at the time of graduation



Stream Requirements

- Students are required to complete a minimum of 21 units of courses as follows:

		Units
1.	Required Courses*: ESTR4998, 4999	6*
2.	Elective Courses: a) 12 units of ESTR courses of which at most 6 units of courses at 1000-2000 level and at least 6 units of courses at 3000-4000 level b) 3 units of BMEG/CENG/CSCI/ELEG/ENGG/IERG/ MAEG/SEEM courses at 5000 level	15
	Total:	21

*Graduation Thesis I & II shall replace the Final Year Project I & II to fulfill the graduation requirements.



Retention Policy

All ELITE students have to comply with the retention policies as set out below:

a) CGPA Requirement

Maintain a **CGPA of at least 3.3** after enrolling in the ELITE stream

b) ESTR Course Requirement

Take at least **two ESTR courses** per academic year
(each of ESTR 4998 and ESTR 4999 is counted as one ESTR course)

c) Activity Requirement

Participate in at least **one recognized activity per term**

*A student's ELITE status will be reviewed every term

****Once a student's ELITE status is revoked, he/she will not be allowed to join the ELITE Stream again.**



Stream Privileges

- Award of the ELITE Stream will be officially recorded on your academic transcript
- A certificate issued by the Faculty of Engineering
- Exclusive scholarships for ELITE students
- Exclusive exchange / internship opportunities



Faculty of Engineering



Company Visit in Silicon Valley, USA
July 2016



Stream / Course Administration

- The full list of courses can be found at <http://www.erg.cuhk.edu.hk/elite>
- Interested students need to approach the Faculty Office (FO) to fill out a **Stream Application Form**
- Students can download the **Course Registration Form** from the ELITE Stream Website for course registration



Course Delivery

- ELITE Course Code: ESTR
- Delivery Format:
 - Mirror Format**
 - **Same timetable** as the ordinary course, i.e., shared teaching
 - Enrolled students would be given additional and more difficult works, and different assessments (e.g. more challenging questions)
 - **An extra and separate 45-min teaching will be arranged for mirrored ESTR course**
 - Real Format**
 - **Timetable** of ESTR course is **different** from the ordinary course
 - Enrolled students would attend **separate lectures** and be given additional and more difficult works and different assessments (e.g. more challenging questions)



FAQ

- Can I apply if my HKDSE results / Major GPA does not meet the entrance requirement?
 - Yes. If you have other extraordinary performance or significant contributions to the Faculty, your application will be considered by the Stream Director.
- Is there any policies that ELITE students must follow?
 - Please refer to the ELITE website for the most up-to-date policies.
- Can non-ELITE students take ESTR courses?
 - Possible. For details, please visit the ELITE website.



Faculty of Engineering

Enquiries

For any enquiries on ELITE Stream, please send email to info@erg.cuhk.edu.hk

Academic Honesty in the Faculty of Engineering

Faculty of Engineering

Prof. Anthony So
Chairman of Faculty Disciplinary Committee

Academic Counseling Session of New Students (11 August 2017)

Why *Academic Honesty*?

- University trains intellectuals and promotes creativity, therefore ***CUHK will not tolerate***
 - **Plagiarism** (i.e. “copying”) assignments or course works
 - **Cheating and/or misbehaving** in tests and exams

- What is *plagiarism*?
 - “an attempt to pass off the works”
(i.e. take some else’s work as yours)
e.g. creative ideas, **report, course work, writing** or **computer program** of others (or even your own previous works, i.e. self-plagiarism), as your own

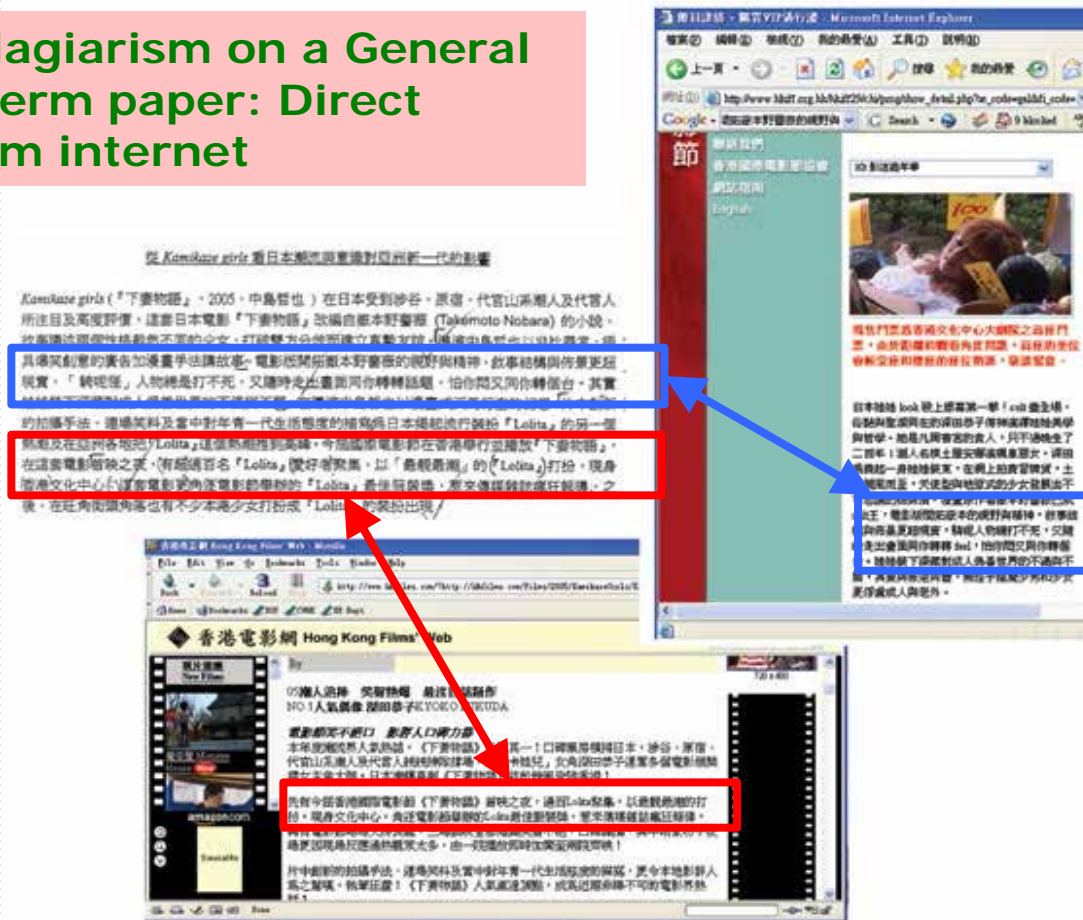
Common mistake #1 – Direct Copying

Assignments, Laboratory and Project report

- ❑ Professors and tutors perform routine spot checks
- ❑ Do not copy classmate's assignment solution or computer program lines – *tell your classmate politely that copying is against CUHK regulation if such request arises*
- ❑ Do not copy classmate's data directly
 - Redo experiment or information search if necessary
 - If copying of data becomes inevitable, then state clearly which part of the data and from whom it is copied
- ❑ Discussions between classmates are good, but direct copying of analysis is not acceptable
- ❑ If a case of plagiarism is established, ***BOTH PARTIES (source student and copying student) will get the same penalty***

Common mistake #2 – Direct Copying without quotation

A case of plagiarism on a General Education term paper: Direct copying from internet



Use quotations "... " to denote text copied from internet, then cite the source in reference list

Proper use of source material

- Mark relevant text by **quotation marks**

e.g."To be, or not to be" [1]

← Cited reference listed in end of document

- **A reference to the original source**

e.g. An effective motion control strategy based on video image feedback [2].....

- **A bibliography, giving the list of references**

This is usually given at the end of the article/paper, or at the end of each page.

Example:

[1] D. Davids, Journal of Nanotechnology, vol..., page..., year...

[2] Y. Smith, Electronic Letters, vol..., page..., year...

.....

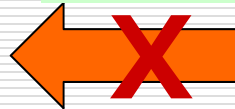
Common mistake #3 – Computer program

Computer programming assignments

```

/*-----*/
int findLargest(int size, int a[]) {
    int i, tmp = 0;
    for (i = 1; i < size; ++i)
        if (a[i] > a[tmp])
            tmp = i;
    return(tmp);
}
/*-----*/
    
```

Direct copying



```

/*-----*/
int findLargest(int size, int a[]) {
    int i, tmp = 0;
    for (i = 1; i < size; ++i)
        if (a[i] > a[tmp])
            tmp = i;
    return(tmp);
}
/*-----*/
    
```

Slight structural changes



```

/*-----*/
int findLargest(int size, int a[]) {
    int tmp;
    int i;
    tmp = 0;
    i = 0;
    ++i;
    while (i < size) {
        if (a[i] > a[tmp])
            tmp = i;
        ++i;
    }
    return(tmp);
}
/*-----*/
    
```

FOR loop → WHILE loop

Change of variable names



```

/*-----*/
int findL(int s, int b[]) {
    int j, tmp1 = 0;
    for (j = 1; j < s; ++j)
        if (b[j] > b[tmp1])
            tmp1 = j;
    return(tmp1);
}
/*-----*/
    
```

"a" → "b"

Superficial changes



```

/*-----*/
int findLargest(int size, int a[]) {
    int tmp;
    int i;
    tmp = 0;
    for (i = 1; i < size; ++i)
        if (a[tmp] < a[i])
            tmp = i;
    return(tmp);
}
/*-----*/
    
```

"(a[i] > a[tmp])" → "a[tmp] < a[i]"

Common mistake #3 – Computer program

Computer programming assignments

Include proper citation "Copied from my classmate....."

```
/*-----*/  
int findLargest(int size, int a[]) {  
    int i, tmp = 0;  
    for (i = 1; i < size; ++i)  
        if (a[i] > a[tmp])  
            tmp = i;  
    return(tmp);  
}  
/*-----*/
```



```
/*-----*/  
/*-----*/  
/* Copied from my classmate Student A * /  
/*-----*/  
int findLargest(int size, int a[]) {  
    int i, tmp = 0;  
    for (i = 1; i < size; ++i)  
        if (a[i] > a[tmp])  
            tmp = i;  
    return(tmp);  
}  
/*-----*/
```

Useful Websites

Faculty Guidelines

- <https://www.erg.cuhk.edu.hk/erg/sites/default/files/A5Booklet2017L2.pdf>

University Guidelines

- http://www.cuhk.edu.hk/policy/academic_honesty/

Handling of Cases in the Faculty

- ❑ Teachers and tutors will carry out checking on assignments and course works; sometimes using anti-plagiarism software such as **VeriGuide**
- ❑ Teachers/Tutors will collect evidences of suspected cases and report to **Faculty Disciplinary Committee (FDC)**

Handling of Cases in the Faculty

- FDC will interview the student(s) in question, look into case details, and decide on the penalty if the case is established
- The penalty scheme adopted by FDC is clearly stated in **Faculty Guidelines**
(<https://www.erg.cuhk.edu.hk/erg/sites/default/files/A5Booklet2017L2.pdf>)

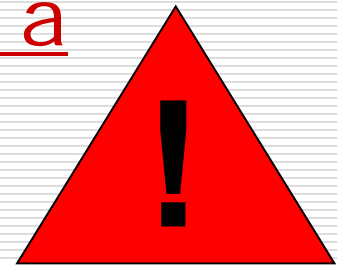
Handling of Cases in the Faculty

- Minimum penalty: one demerit (may be removed at graduation if no further offence committed), zero mark for the work concerned
- For severe cases, the penalty could be a fail grade for the whole course, **AND** permanent demerit(s) to be recorded in transcripts

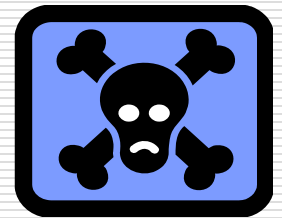


Handling of Cases in the Faculty

- Repeated (e.g. second time) offenders will be given at least *two demerits* (at least one will be a permanent record)



- Students who have received *three demerits* may be asked to *suspend / discontinue studies*



Role of Faculty Disciplinary Committee

- We are not the “Judge” or “Prosecutor”
- We aim to ensure that students appreciate the value of *academic integrity*
(one of the most valuable aspects of university education)



Questions

Thank you!